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U.S. International Traffic in Arms Regulations (22 C.F.R. Parts 120-130)



BOEING

THE FUTURE OF CONNECTIVITY IS BUILT HERE

BOEING SATELLITE OVERVIEW FOR PACIFIC DATAPORT SERVING RURAL ALASKA

September 2021



A close-up view of a satellite in space, showing its solar panels and various instruments against a starry background.

AGENDA

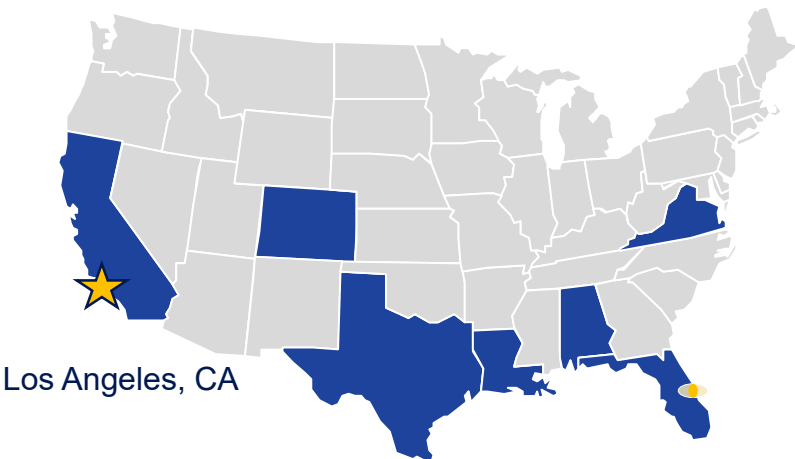
Boeing Overview

Boeing 702X

702X & PDI serving Alaska

Q&A / Discussion

Boeing Space and Launch Overview



7
DOMESTIC
LOCATIONS

Commercial Satellites
Headquarter in
Los Angeles, CA



CUSTOMERS
IN OVER 15
NATIONS

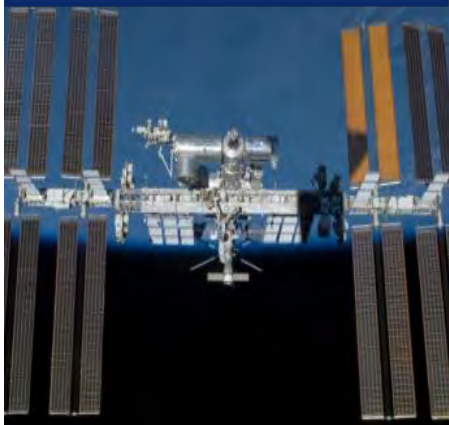
Commercial Satellites



Government Satellites



International Space Station



CST-100 Starliner



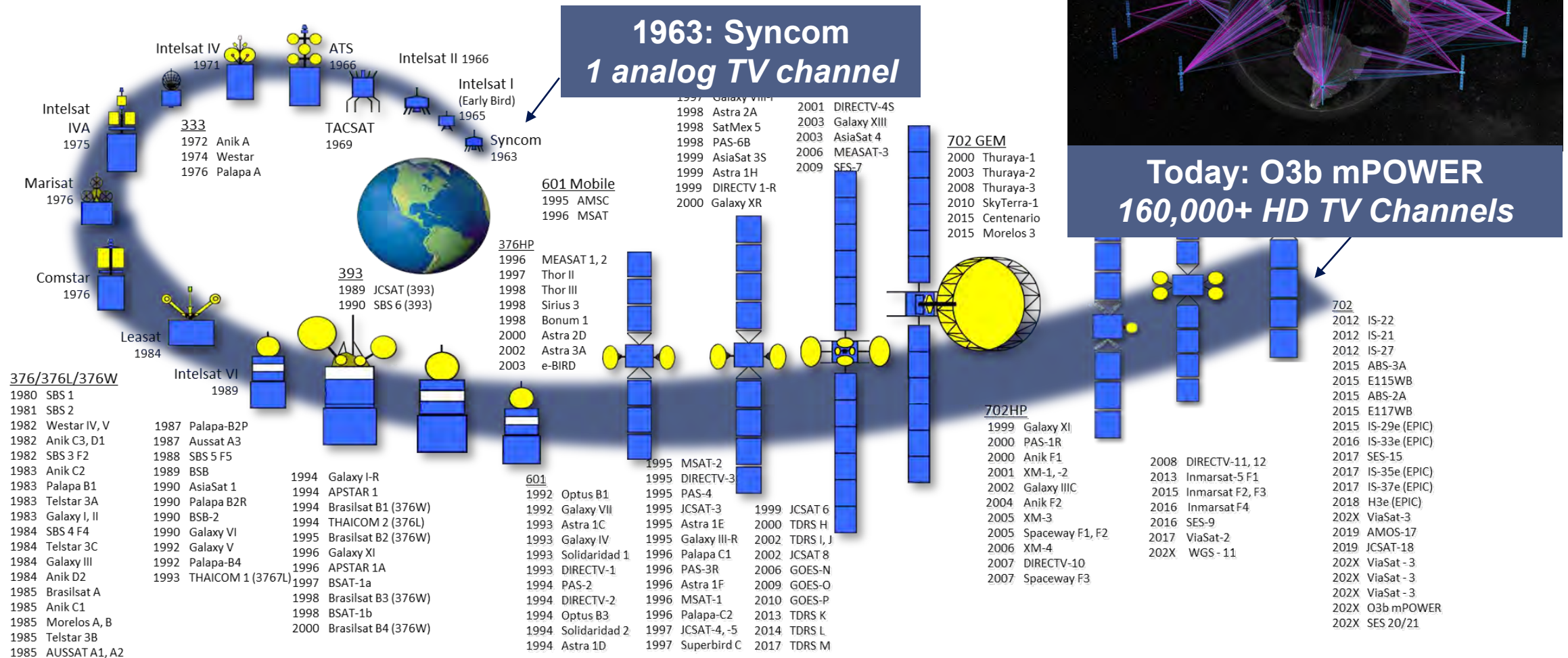
Space Launch System



United Launch Alliance



Boeing Communications Satellite History



Continuing to innovate the world's most advanced communications satellites

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Satellites In The Past Have Not Been Flexible



One satellite, one mission,
from one orbital slot

Longer schedules due to
tailored designs

Inability to adapt to
specific user demand

Cost prohibitive next
generation technology

The new 702X evolves to changing demand over time

High throughput
broadband connectivity

Ability to adapt to
specific user demand

Based on in-production
satellite program (low-risk)

Reduced schedules due
to standardized design

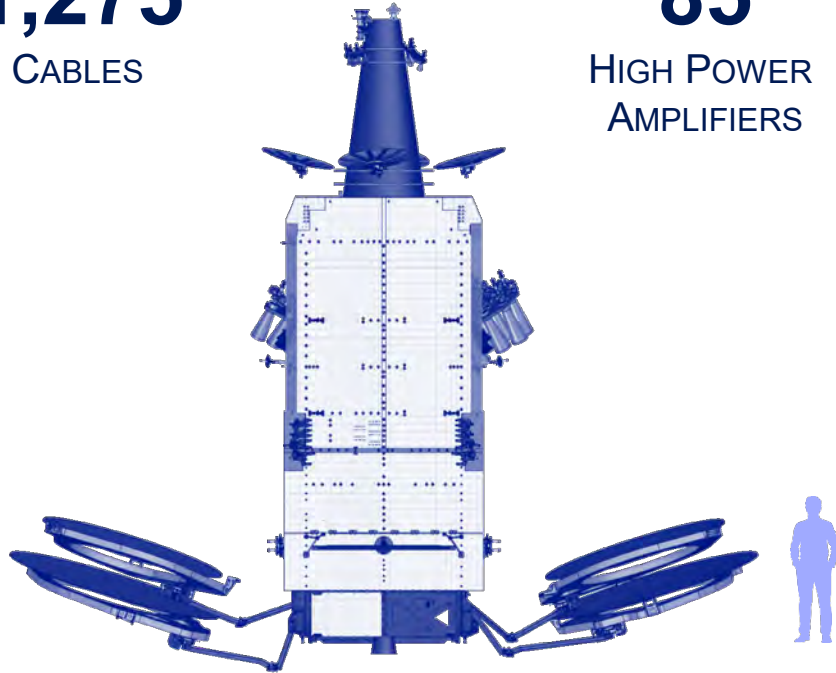
3,750
MASS (KG)

4,500
COMPONENTS

100
GBPS

1,275
CABLES

85
HIGH POWER
AMPLIFIERS



TRADITIONAL DESIGN

LAUNCHED IN 2019

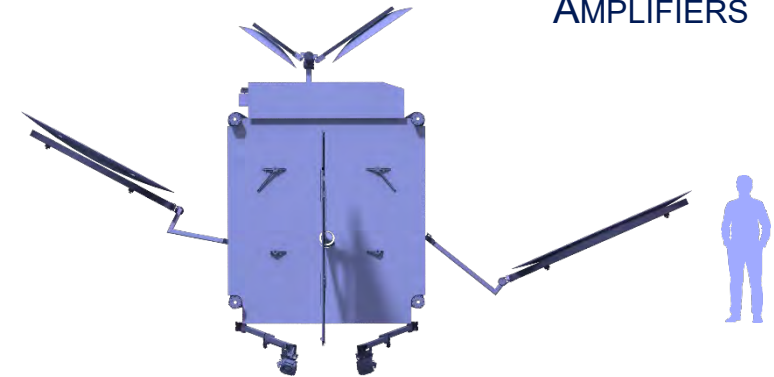
1,900
MASS (KG)

350
COMPONENTS

100+
GBPS

65
CABLES

0
HIGH POWER
AMPLIFIERS



702X DESIGN

AVAILABLE FROM BOEING TODAY

702X provides capacity to Alaska with less complexity compared to traditional satellites

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How Boeing 702X can serve Alaska



Boeing's GEO High-Throughput Satellite capability can be a core component of Alaska's strategy for rural broadband infrastructure

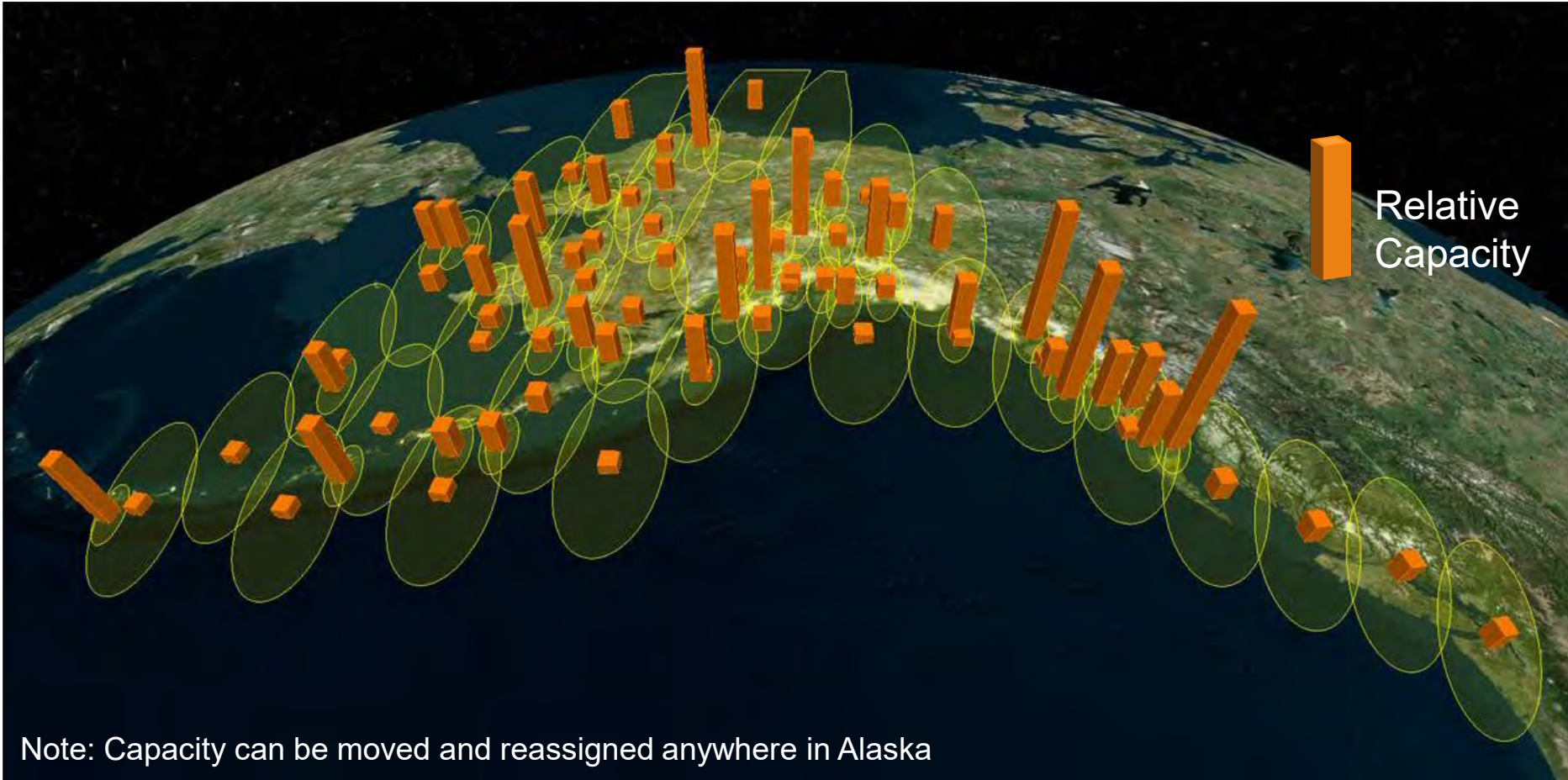
Dedicated, **24/7 coverage** for Alaska from Pacific Dataport's 154 deg West Orbital slot

Connectivity to **100% of Alaska Native Regions**

Lowest cost and **quickest to market** compared to fiber and LEO alternatives

Fifteen+ year satellite lifespan for long-term sustainability

Broadband Capacity Assigned Based on Rural Alaska Population



Capacity sufficient to meet all rural residential broadband needs

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